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(21) International Application Number: PCT/US97/20004 (22) International Filing Date: 5 November 1997 (05.11.97) (30) Priority Data: 60/030,159 6 November 1996 (06.11.96) US (71) Applicant (for all designated States except US): SMITHKLINE BEECHAM CORPORATION [US/US]; One Franklin Plaza, Philadelphia, PA 19103 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): MOONEY, Jeffrey, L. [US/US]; 143 Winged Foot Court, Limerick, PA 19468 (US). DeBOUCK, Christine, Marie [BE/US]; 667 Pugh Road, Wayne, PA 19087 (US). (74) Agents: GIMMI, Edward, R. et al.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).		(81) Designated States: CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: METHODS FOR IDENTIFYING GENES ESSENTIAL TO THE GROWTH OF AN ORGANISM (57) Abstract The present invention provides methods for identifying genes essential to the growth of an organism using a grid prepared from a genomic library of a selected organism. Genes identified as essential by this method and proteins encoded thereby are also provided. In addition, methods of using these genes and proteins encoded thereby are disclosed.		

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